
$^{14}\text{N}(\text{p},^3\text{He})$ **1970Sc02**

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, J. E. Purcell and C. G. Sheu		NP A968, 71 (2017)	1-Jan-2017

1970Me30: $^{14}\text{N}(\text{p},^3\text{He})$ E=7-11 MeV, measured $\sigma(E,\theta)$.

1970Sc02: $^{14}\text{N}(\text{p},^3\text{He})$ E=50 MeV, measured $\sigma(E(^3\text{He}),\theta)$. Deduced optical model parameters. ^{12}C deduced levels, J, π , S.

1973Ho10: $^{14}\text{N}(\text{p},^3\text{He})$ Ep=39.8 MeV, measured $\sigma(E(^3\text{He}),\theta)$. DWBA analysis.

1974Pi05: $^{14}\text{N}(\text{p},^3\text{He})$ E=20-45 MeV, measured $\sigma(E(^3\text{He}),\theta)$. Deduced optical model parameters. ^{12}C levels deduced L, J, π .

1975Ho22: $^{14}\text{N}(\text{p},^3\text{He})$ E=50 MeV, measured $\sigma(E(^3\text{He}),\theta)$. ^{12}C level deduced J, π .

1976Yo03: $^{14}\text{N}(\text{p},^3\text{He})$ E=51.9 MeV, measured $\sigma(\theta)$. Deduced $\sigma(E(^3\text{He}),\theta)/\sigma(E_t,\theta)$.

^{12}C Levels

E(level) [†]	J^π	Comments
0		
4.4×10^3		
7.65×10^3		
9.64×10^3		
12.7×10^3		
14.1×10^3	4^+	J^π : From (1970Sc02).
15.11×10^3		
16.11×10^3		

[†] From (1970Sc02).